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Frank C. Eisenschenk

Frank C. Eisenschenk, Ph.D., Patent Attorney

INFORMATION DISCLOSURE STATEMENT
Examining Group 1714
Patent Application
Docket No. UF-266X
Serial No. 10/067,495

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : (Unassigned)
Art Unit : 1714
Applicants : Benjamin A. Horenstein and Hongbin Sun
Serial No. : 10/067,495
Filed : February 4, 2002
Conf. No. : 7011
For : INHIBITORS OF GLYCOSYLTRANSFERASE ENZYMES

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Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97, AND 1.98

Sir:

In accordance with 37 C.F.R. § 1.56, the references on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

This information is being submitted prior to the mailing of a first office action on the merits.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08 with initials or other appropriate marks. If any additional fee is required, or to credit any overpayment, please use Deposit Account No. 19-0065.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.56, 1.97, and 1.98 are met by the foregoing statements.

Respectfully submitted,



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Attachments: Form PTO/SB/08A & B (2 pages)
Copies of references cited (17)



PTO/SB/08B (10-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/067,495
		Filing Date	February 4, 2002
		First Named Inventor	Benjamin A. Horenstein
		Group Art Unit	1714
		Examiner Name	Unassigned
		Attorney Docket Number	UF-266X
Sheet	1	of	2

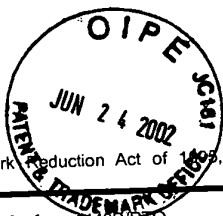
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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	AMANN, F., et al., "New Potent Sialyltransferase Inhibitors-Synthesis of Donor and of Transition-State Analogues of Sialyl Donor CMP-Neu5Ac", <i>Chem. Eur. J.</i> , 1998, 4(6):1106-1115, Pub: WILEY-VCH Verlag GmbH, Weinheim, Germany	
	R2	CACCHI, S., et al., "Palladium-Catalyzed Carbonylation of Enol Triflates. A Novel Method for One-Carbon Homologation of Ketones to α , β -Unsaturated Carboxylic Acid Derivatives", <i>Tetrahedron Letters</i> , 1985, 26(8):1109-1112, Pub: Pergamon Press Ltd., Great Britain	
	R3	CROCKER, P.R., et al., "Sialoadhesin and related cellular recognition molecules of the immunoglobulin superfamily", <i>Biochemical Society Transactions</i> , 1996, 24:150-156, Pub: Portland Press Ltd., London, U.K.	
	R4	GILBERT, J.C., et al., "Competitive Sigmatropic Hydrogen Shifts in Bicyclo [3.1.0] hex-2-ene-6-endo-carboxaldehydes", <i>J. Org. Chem.</i> , 1976, 41(24):3883-3891, Pub: unknown	
	R5	GOTTSCALK, A., "N-Substituted Isoglucosamine Released from Mucoproteins by the Influenza Virus Enzyme", <i>Nature</i> , 1951, 167(4256):845-847, Pub: unknown	
	R6	HARDUIN-LEPERS, A., et al., "1994, the year of sialyltransferases", <i>Glycobiology</i> , 1995, 5(8):741-758, Pub: Oxford University Press	
	R7	HAYES, B.K., et al., "Biosynthesis of Oligosaccharides in Intact Golgi Preparations from Rat Liver", <i>The Journal of Biological Chemistry</i> , 1993, 268(22): 16155-16169, Pub: The American Society for Biochemistry and Molecular Biology, Inc., U.S.A.	
	R8	KAJIHARA, Y., et al., "Efficient Chemical Synthesis of CMP-Neu5Ac and CMP-(Neu5Ac ₂ 8Neu5Ac)", <i>J. Org. Chem.</i> , 1995, 60:5732-5735, Pub: American Chemical Society, U.S.A.	
	R9	LOWE, John B., "Carbohydrate recognition in cell-cell interaction", <i>Molecular Glycobiology</i> , 1994, Ch. 4, pp. 163-205, Pub: Oxford University Press Inc., New York, U.S.A.	
	R10	MÜLLER, B., et al., "Efficient Sialyltransferase Inhibitors Based on Transition-State Analogues of the Sialyl Donor", <i>Angew. Chem. Int. Ed.</i> , 1998, 37(20):2893-2897, Pub: WILEY-VCH Verlag GmbH, Weinheim, Germany	
	R11	POWELL, L.D., et al., "I-type Lectins", <i>The Journal of Biological Chemistry</i> , 1995, 270(24):14243-14246, Pub: The American Society for Biochemistry and Molecular Biology, Inc., U.S.A.	
	R12	REGLERO, A., et al., "Polysialic Acids", <i>Int. J. Biochem.</i> , 1993, 25(11):1517-1527, Pub: Pergamon Press Ltd., Great Britain	
	R13	REUTTER, W., et al., "The Biology of Sialic Acids: Insights into their Structure, Metabolism and Function in particular during Viral Infection", <i>Glycosciences</i> , 1997, Ch. 13, pp. 245-259, Pub: Chapman & Hall, Weinheim, Germany	

Examiner Signature	Date Considered
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/067,495
Filing Date	February 4, 2002
First Named Inventor	Benjamin A. Horenstein
Group Art Unit	1714
Examiner Name	Unassigned
Attorney Docket Number	UF-266X

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R14	SCHAUB, C., et al., "New sialyltransferase inhibitors based on CMP-quinic acid: development of a new sialyltransferase assay", <i>Glycoconjugate Journal</i> , 1998, 15:345-354, Pub: Chapman & Hall	
	R15	VARKI, A., "Diversity in the sialic acids", <i>Glycobiology</i> , 1992, 2(1):25-40, Pub: Oxford University Press	
	R16	WATANABE, K.A., et al., "A Simple Method for Selective Acylation of Cytidine on the 4-Amino Group", <i>Angew. Chem. Internat. Edit.</i> , 1966, 5(6): 579, Pub: Verlag Chemie, GmbH, Weinheim, Germany	
	R17	ZIELINSKI, W.S., et al., "Novel Preparation of Cytidine 5'-Phosphate and Cytidine 3', 5'-Cyclic Phosphate", <i>Collection Czechoslov. Chem. Commun.</i> , 1974, 39:3560-3562, Pub: Unknown	
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	R21		
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	R23		
	R24		
	R25		
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